POSTER PRESENTATIONS

#1 **Analysis of DNA and Protein Adducts of Benzo[*a*]pyrene in Human Tissues Using Structure-Specific Methods: A Literature Review.**
Gunnar Boysen and Stephen S. Hecht
University of Minnesota Cancer Center

#2 **Ethylation of N-Terminal Valine of Hemoglobin in Smokers and Nonsmokers.**
Menglan Chen, Steven G. Carmella, Peter Villalta, and Stephen S. Hecht
University of Minnesota Cancer Center

#3 **Determination of Nicotine and its Metabolites in Urine by HPLC After DETBA Derivatization.**
D. Demetriou and G. Schepers
INBIFO Institut für biologische Forschung GmbH, Köln, Germany
A Philip Morris Research Laboratory

#4 **Reducing Smokeless Tobacco Exposure.**
Dorothy K. Hatsukami, Amanda Edmonds, Susan Schulte, Joni Jensen, Steven G. Carmella, London Losey, and Stephen S. Hecht
University of Minnesota Cancer Center's Transdisciplinary Tobacco Use Research Center

#5 **Solanesol, A Potential "Tar" Biomarker in Saliva of Cigarette Smokers.**
Peyton Jacob, III, Lisa Yu, and Neal L. Benowitz
University of California, San Francisco

#6 **Duration of Smokeless Tobacco Exposure and its Relationship to NNAL + NNAL~GLUC and Cotinine Levels.**
Joni Jensen, Amanda Edmonds, Steven Carmella, Stephen Hecht, and Dorothy K. Hatsukami
University of Minnesota Tobacco Use Research Center

#7 **Examples of Systematic Validation for Biomarkers of Cigarette Smoke Exposure.**
Robin D. Kinser and Jan Oey
Philip Morris U.S.A.

#8 **Selection of Biomarkers of Exposure for a Population Study of U.S. Adult Smokers to Cigarette Smoke.**
R. D. Kinser, R.A. Carchman, D.E. Leyden, E.B. Sanders, R. Stabbert, A.R. Tricker, K. von Holt, and R.A. Walk
INBIFO, a Philip Morris Research Laboratory

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#9 **Assessment of Environmental Tobacco Smoke (ETS) Exposure Among Non-Smokers and Smokers Using Biomarkers and a Questionnaire.**
R. Lau, M. Zhang, B. Nelson, C. Adams, and R.A. Walk
Philip Morris U.S.A. and Philip Morris Asia Limited, Hong Kong

#10 **Analysis of 4-(Methylnitrosamino) -1-(3-pyridyl-*N*-β-*D*-glucopyranuronosyl)-1-butanolonium inner salt (NNAL-*N*-Gluc) in the Urine of Smokers and Smokeless Tobacco Users.**
Ky-anh Le, Steven G. Carmella, Pramod Upadhyaya, Peter Villalta, and Stephen Hecht
University of Minnesota Cancer Center

#11 **Smoking Reduction: Effects on Biomarkers of Cardiovascular Risk Factors.**
Charlotte Lemmonds, Susan Schulte, and Dorothy K. Hatsukami
University of Minnesota Cancer Center's Transdisciplinary Tobacco Use Research Center

#12 **Effects of Reduction in Smoking on Urinary Metabolites of a Tobacco-Specific Lung Carcinogen.**
London M. Losey, Anne Fristad, Steven G. Carmella, Stephen S. Hecht, Thom White, Charlotte Lemmond, Joni Jensen, and Dorothy K. Hatsukami
University of Minnesota Cancer Center's Transdisciplinary Tobacco Use Research Center

#13 **The Relationship Between Personal Exposure to Different Levels of Benzene and Urinary Biomarkers.**
A.A. Melikian, Q.S. Qu, R. Shore, G. Li, S. Yin, H. Li, X. Jin, B. Cohen, and L.C. Chen
American Health Foundation, New York University at Tuxedo, and the Chinese Institute of Occupational Medicine, Beijing, China

#14 **Biochemical Validation of the National Youth Tobacco Surveys.**
Paul D. Mowery, Sue Pedrazzani, Matthew Farrelly, and Karl Bauman
RTI International

#15 **Detection of Carcinogenic Tobacco-Specific Nitrosamines (TSNA) in Human Pancreatic Juice.**
B. Prokopczyk, D. Hoffmann, G.H. Leder, M. Ramadani, A.J. Cunningham, M. Siech, A. Schwarz, M. Schwarz, B. Poch, K.H. Link, H.G. Beger, and K. El-Bayoumy.
American Health Foundation, and the Department of General Surgery, University of Ulm, Ulm, Germany

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#16 **Effects of Smoking and Exposure to Environmental Tobacco Smoke on Hemoglobin Adducts of Tobacco-Specific Nitrosamines.**
E. Richter, C. Kutzer, W. Zwickenpflug, J. Wilp, D. Schlöbe, D. Hölzle, S. Tyroller, M. Meger, and G. Scherer
Walther Straub-Institut für Pharmakologie und Toxikologie, Munich, Germany; and Analytisch-biologisches Forschungslabor, Munich, Germany

#17 **Factors Contributing to Differences in Aromatic Amine Hemoglobin Adduct Levels.**
E. Richter, G. Scherer, and A.R. Tricker
Walther Straub-Institut für Pharmakologie und Toxikologie, Munich, Germany; Analytischbiologisches Forschungslabor, Munich, Germany; and Philip Morris Products SA, Neuchâtel; Switzerland

#18 **Biomarkers of Potential Harm in Smokers.**
H.J. Roethig, K. von Holt, P. Kuhl, W. McKinney, M. Zhang, R.A. Walk
Philip Morris U.S.A.; INBIFO Institut füer biologische Forschung GmbH, Cologne, Germany; and Philip Morris Asia Limited, Hong Kong

#19 **Prevalence of Cigarette Smoking in Pregnant Women Participating in the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) in Minneapolis and Saint Paul, Minnesota.**
Julie A. Ross, Andrine R. Swensen, and Sharon E. Murphy
University of Minnesota Cancer Center's Transdisciplinary Tobacco Use Research Center

#20 **Biological Monitoring of the Tobacco Smoke-Related Exposure to Benzene.**
G. Scherer, M. Meger, I. Meger-Kossien, and A. Pachinger
Analytisch-biologisches Forschungslabor, Munich, Germany; and ÖKOLAB, Gesellschaft für Umweltanalytik, Vienna, Austria

#21 **Changes in Cytokeratin Expression Patterns in the Respiratory Tract of Rats Exposed to Room-Aged Cigarette Sidestream Smoke for 12 Months.**
W.K. Schlage, H. Buelles, D. Friedrichs, M. Kuhn, A. Teredesai, and P.M. Terpstra
INBIFO Instutut für biologische Forschung GmbH, and CRC Contract Research Center, Zaventem, Belguim
INBIFO and CRC are Philip Morris Research Laboratories

#22 **Determination of Tobacco-Specific Nitrosamine Hemoglobin and Lung DNA Adducts.**
D. Schlöbe, D. Hölzle, E. Richter, and A.R. Tricker
Walther-Straub Institut für Pharmakologie und Toxikologie, Munich, Germany; and Philip Morris Products SA, Neuchâtel, Switzerland

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#23 **Validation of a Microplate Based Analysis of Plasma Thiocyanate and an Evaluation of its Usefulness as a Marker for Tobacco Exposure.**
Elisabeth Sthengel. Johan Birgersson, Tobias Danielsson, Anne Lindell, and Ann Lindberg
Pharmacia Consumer Healthcare, Helsingborg, Sweden

#24 **Cytokeratin Patterns of the Epithelial and Non-Epithelial Proliferative Lesions of the Rat Respiratory Tract.**
A. Teredesai, M. Kuhn, and W.K. Schlage
INBIFO Institut für biologische Forschung GmbH, Köln, Germany
INBIFO is a Philip Morris Research Laboratory

#25 **Quantitation of Benzo[a] Pyrene Diolepoxide-And NNK-Induced Adducts at Specific Guanine Nucleobases Within K-RAS and P53 Gene Sequences.**
Natalia Tretyakova, Brock Matter, and Rebecca Ziegel
University of Minnesota Cancer Center's Transdisciplinary Tobacco Use Research Center

#26 **Urinary Excretion of S-Alkyl Mercapturic Acids as Biomarkers for the Exposure to Electrophilic Precursors in Tobacco Smoke.**
M. Urban, M. Meger, and G. Scherer
Analytisch-biologisches Forschungslabor, Munich, Germany

#27 **Design for a Population Study of Exposure of U.S. Adult Smokers to Cigarette Smoke.**
R.A. Walk, W.H. Carter, R.A. Carchman, J.C. Gear, E. Gomm, C. Gennings, R.D. Kinser, D.E. Leyden, B.L. Nelson, A.R. Tricker, and K. von Holt
INBIFO, a Philip Morris Research Laboratory

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